



STDN DAILY REPORT
FOR GMT DAYS
30, 31, JULY and 01 AUG, 2001

Part I. Operations

30 JULY

A. SN Anomalies - None

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/AM-1 Support

30/0839-0850Z

Unable to autotrack X-Band RF. At scheduled AOS time the S-Band receivers locked up and auto tracked normally. When the X-Band downlink was turned on the X-Band tracking receiver did not lock. The X-Band Data demods and bit synchs showed lock on clock. Terra OC put data on the X-Band downlink and the bit synchs would not lock to the data. During this time the tracking receiver locked and the system auto tracked. Since the S-Band system was in good auto track the operator selected S-Band auto track instead of auto-diversity, this did not help. The antenna was slewed around the S-Band angles to no avail. This was a scheduled proficiency pass and no data was lost. Pre and post pass checks show the X-Band tracking receiver to be locking properly. CDS ID # 19364

11M 0839-0850Z 11 Minutes Svc Loss Reason unknown

2. SGS/EO-1 Support

30/1131-1133Z

Loss of autotrack, X-band data loss. Antenna lost autotrack at X-band AOS or just before that. Track analysis shows that

the elevation delta increased from S-band AOS until it lost autotrack. The El-Delta was -0,338 when we lost track. Had to set antenna to program track. At 11:32:04 we acquired the S/C, and tracked throughout the support on X-band. Reason unknown. CDS ID # 19365

11M 1129-1144Z 34 Sec. Svc/Data Loss (Non-Recov)

3. AGS/EO-1 Support

30/1949-2150Z

DQM failed to gather statistics during this event. At AOS of EO-1 the DQM loaded the configuration and appeared to go active, but failed to display any statistics. Post pass the DQM generated and FTP'd the log files, but they contained on counts. The DQM and laptop, that are used to Tel-net into the DQM, were rebooted and playback of the event was completed. CDS ID # 19369

11M 1949-2001Z 12 Min. Svc Loss No data loss declared

31 JULY

A. SN Anomalies:

1. STGT/XTE Support

31/0008-0011Z

XTE late acquisition no RF at event start Station received good RF about 3 minutes into event. Anomaly under investigation. TTR # 23985

TDS SSA1F/R 0008-0018Z 3 Min. 21 Sec. Svc/Data Loss (Non-Recov)

B. ISS Anomalies - None.

C.GN Anomalies:

1. AGS/FAST Support

31/0023-0045Z

Commands were not uplinked during this orbit but data was collected. The LEO-T high power amplifier is under investigation at this time as the cause of no carrier present. An updated evaluation will be available tomorrow. CDS ID # 19370

LEO-T 22 Min. Svc Loss only.

2. AGS/WIRE Support

31/0225-0334Z

Negative acquisition at AOS. The LHC tracking receiver AGC read 17dB at carrier up. Attempted to force RHC without success. Could not get signal from spacecraft during entire support. Problem under investigation but it may be caused by an improper AGC zero set on the receivers as this had just been accomplished. CDS ID# 19371

TOTS-1 9 Min. Svc/Data Loss (Non-Recov)

3. AGS/FAST Support

31/0244-0246Z

Late acquisition of spacecraft. LHC tracking receiver AGC jumped to 30dB at carrier up. Forced RHC tracking but LHC came back. Again forced RHC tracking and it held for entire pass. Achieved autotrack at AOS + 1m 30s. CDS ID # 19372

TOTS-1 0244-0257Z 1 Min. 30 Sec. Svc/Data Loss (Non-Recov)

4. AGS/WIRE Support

31/1630-1639Z

Negative acquisition. No data recorder or command uplinked. Initial investigation revealed 10 day old ephemeris was being used. Anomaly is under investigation. CDS ID # 19373

TOTS-1 9 Min. Svc/Data Loss (Non-Recov)

01 AUG.

A. SN Anomalies:

1. WSC/ UARS Support

01/0212-0304Z

Two UARS and one HST event were impacted due to severe weather anomaly at WSC. 15 minutes and 35 seconds 32kb data loss (Non-Recov) TTR # 23986

TDE UARS MAF/R 0154-0225Z 11 Min. 32 Sec. Svc/Data Loss
TDW UARS MAF/R 0251-0322Z 3 Min. 3 Sec. Svc/Data Loss
TDW HST SSAR2 0224-0315Z 6 Min. 31 Sec. Svc/Data Loss

B. ISS Anomalies - None.

C. GN Anomalies - None.

D. TDW East Stationkeeping Maneuver was nominal.

E. Delta/Genesis Launch officially scrubbed as 213/1628Z due to adverse weather at the launch site (KSC). The new launch date is AUG 02, 2001 214/1627-1629Z. Back-up date is AUG 3,2001 215/1623-1625Z.

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes:

1. AGS TOTS-1 ANTENNA RED at 31/0000Z UNABLE TO SUPPORT WAS DECLARED GREEN AT 01/2330Z.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities:

1. TILT U.S. Coast Guard Expedition 02/1156-1656Z
2. STS-105 SN Vector Verification Test 3201 02/1500-1600Z
3. HESSI Operations Readiness Test 02/1800-1845Z

Part V. Forecast Changes: - None.